

OLIFF & BERRIDGE, PLC

ATTORNEYS AT LAW

277 SOUTH WASHINGTON STREET
ALEXANDRIA, VIRGINIA 22314TELEPHONE: (703) 836-6400
FACSIMILE: (703) 836-2787
E-MAIL: EMAIL@OLIFF.COM
WWW.OLIFF.COM

February 10, 2006

**U.S. PATENT AND TRADEMARK OFFICE
FACSIMILE TRANSMISSION COVER SHEET**

To: In re the Application of Nobuaki HASHIMOTO Application No.: 10/804,039 Filed: March 19, 2004 For: ELECTRONIC COMPONENT AND SEMICONDUCTOR DEVICE, METHOD OF MAKING THE SAME AND METHOD OF MOUNTING THE SAME, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT	FOR FILING IN THE U.S. PATENT AND TRADEMARK OFFICE Group Art Unit: 2818 Docket No.: 101266.02 <i>Please enter and Scan!</i>
---	---

02/10/06

Examiner: T. LE**Facsimile:** (571) 273-1785*Thanks
T. Le***From:** Randi B. Isaacs**Prepared By:** tbh**Number of Pages Sent (Including cover sheet):** 7**Comments:**

Per our conversation, please find attached a Statement of Substance of Interview addressing the priority information of the above-identified application.

Sent by: tbh

This facsimile is intended only for the use of the U.S. Patent and Trademark Office and contains confidential information. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are notified that any review, dissemination, distribution or copying of this facsimile is prohibited. If you have received this facsimile in error, please immediately notify us by facsimile or telephone, and return the facsimile to us by mail at the above address.

PATENT APPLICATION**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of

Nobuaki HASHIMOTO

Group Art Unit: 2818

Application No.: 10/804,039

Examiner: T. LE

Filed: March 19, 2004

Docket No.: 101266.02

For: ELECTRONIC COMPONENT AND SEMICONDUCTOR DEVICE, METHOD OF
MAKING THE SAME AND METHOD OF MOUNTING THE SAME, CIRCUIT
BOARD AND ELECTRONIC INSTRUMENT

STATEMENT OF SUBSTANCE OF INTERVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

During a telephone interview with Examiner Le on February 9, Examiner Le indicated that the issuance of the Recordation of Patent Grant was delayed because the U.S. Patent and Trademark Office asserts that 1) the filing date of the priority of the above-identified application is more than one year from the filing of JP 8-339045; and 2) the priority of PCT/JP 97/04437 was not claimed.

The above-identified application is a continuation application of prior pending Application No. 10/254,600, filed September 26, 2002, which is a divisional of Application No. 09/117,510 filed April 22, 1999, now U.S. Patent No. 6,475,896. U.S. Patent No. 6,475,896 is a national stage of PCT/JP97/04437 filed December 4, 1997. PCT/JP97/04437 claims priority to foreign applications No. 8-356880 filed December 26, 1996 in Japan, 9-91449 filed March 26, 1997 in Japan, and 8-339045 filed December 4, 1996 in Japan. The priority of the foreign application was claimed under 35 U.S.C. §119 and/or §365(b), and a

Application No. 10/804,039

copy of the priority documents was transmitted by the International Bureau in prior application PCT/JP97/04437, as indicated by the Application Transmittal filed with the above-identified application. A copy of the Application Transmittal filed March 19, 2004 and the Filing Receipt are attached.

Thus, the above-identified application properly claimed priority to PCT/JP97/04437. Further, PCT/JP97/00437, filed December 4, 1997 was filed not more than year from the filing of JP 8-339045, filed December 4, 1996. Thus, because the application properly claimed priority to PCT, the filing of U.S. Patent No. 6,475,896 was not more than one year from the filing of PCT/JP97/00437.

Prompt processing of the Letter is respectfully requested. Should the Examiner believe that anything further would be desirable in order to expedite processing, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Randi B. Isaacs
Registration No. 56,046

JAO:RBI/hs

Attachment:

Application Transmittal filed with application
on March 19, 2004 and Filing Receipt

Date: February 10, 2006

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--

PATENT APPLICATION**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400
Facsimile: (703) 836-2787

Attorney Docket No.: 101266.02Date: March 19, 2004**MAIL STOP PATENT APPLICATION**

Customer Number: 25944

**CONTINUING APPLICATION TRANSMITTAL
RULE 1.53(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a

☒ Continuation ☐ Divisional ☐ Continuation-in-Part

application of prior pending Application No. 10/254,600, filed September 26, 2002, which is a Divisional of Application No. 09/117,510 filed April 22, 1999, now U.S. Patent No. 6,475,896.

For (Title): ELECTRONIC COMPONENT AND SEMICONDUCTOR DEVICE, METHOD OF MAKING THE SAME AND METHOD OF MOUNTING THE SAME, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

By (Inventors): Nobuaki HASHIMOTO

1. ☒ A Declaration and Power of Attorney is attached. The attached Declaration and Power of Attorney is:
- ☒ a. A copy of the Declaration and Power of Attorney from the parent application. (Used with the same or fewer inventors and (a) a copy of the prior application or (b) a revised, reformatted or edited version of the prior application that does not contain new matter.)
- ☐ b. A new Declaration and Power of Attorney. (Used with the same, fewer or additional inventors and (a) a copy of the prior application, (b) a revised, reformatted or edited version of the prior application that does not contain new matter, or (c) a new specification.)
2. ☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF ANY PRELIMINARY AMENDMENT NOTED BELOW

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	1 - 20	= *0
INDEP CLAIMS	1 - 3	= *0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

RATE	FEE
	\$ 385
x 9 =	\$
x 43 =	\$
+145 =	\$
TOTAL	\$

OTHER THAN A SMALL ENTITY

RATE	FEE
	\$ 770
x 18	\$
x 86	\$
+290	\$
TOTAL	\$770

3. ☒ Check No. 152229 in the amount of \$770 to cover the filing fee is attached. The Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.
4. ☒ Application Data Sheet is attached.
5. ☒ Formal drawings (23 Sheets, Figs. 1-25) are attached.
☐ Use Figure for front page of Publication.

DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

6. ☒ Priority of foreign application(s) No. 8-356880 filed December 26, 1996 in Japan, 9-91449 filed March 26, 1997 in Japan and 8-339045 filed December 4, 1996 is claimed under 35 U.S.C. §119 and/or §365(b).
- ☐ The certified copy was filed in prior Application No. _____ on _____.
- ☐ A certified copy of the above foreign application(s) is filed herewith.
- ☒ A copy of the priority document was transmitted by the International Bureau in prior Application No. PCT/JP97/04437.
7. ☐ Priority of U.S. Provisional Application(s) No. _____ filed _____ is claimed under 35 U.S.C. §119. (A Preliminary Amendment is attached to reflect the claim of benefit in the specification if not already present.)
8. ☐ The prior application is assigned of record to Seiko Epson, Tokyo, Japan and recorded at Reel 9904, Frame 0896.
9. ☐ This application is filed by fewer than all the inventors named in the prior application (37 C.F.R. §1.53(b)(1)). Delete the following inventor(s) named in the prior application:
- _____
10. ☒ A Preliminary Amendment is attached. The Preliminary Amendment amends the specification to reflect the continuation data. Claims added by this Amendment are properly numbered consecutively beginning with the number next following the highest numbered claim in the application and claims canceled are identified in the listing of claims.
11. ☒ An Information Disclosure Statement is attached.
12. ☐ Small entity status:
- ☐ a. Entitlement to small entity status is asserted.
- ☐ b. Small entity status is no longer claimed.
13. ☐ Other: _____
14. ☐ This application is NOT to be published under 35 U.S.C. 122(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
15. ☒ The power of attorney in the application is to James A. Oliff, Registration No. 27,075, William P. Berridge, Registration No. 30,024, Kirk M. Hudson, Registration No. 27,562, Thomas J. Pardini, Registration No. 30,411, Edward P. Walker, Registration No. 31,450, Robert A. Miller, Registration No. 32,771, Mario A. Costantino, Registration No. 33,565, Joel S. Armstrong, Registration No. 36,430, Christopher W. Brown, Registration No. 38,025, Richard E. Rice, Registration No. 31,560, Paul Tsou, Registration No. 37,956, and/or Eric D. Morehouse, Registration No. 38,565.
- ☒ a. The power appears in the attached Declaration and Power of Attorney.
- ☐ b. Since the power does not appear in the attached Declaration and Power of Attorney, a substitute Power of Attorney is also attached.
16. ☒ Address all future communications to:

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320

Respectfully submitted,

James A. Oliff
Registration No. 27,075

George P. Simion
Registration No. 47,089

JAO:GPS/jam



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/804.039	03/19/2004	2812	770	101266.02	23	1	1

CONFIRMATION NO. 7062

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320

FILING RECEIPT



Date Mailed: 06/07/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Nobuaki Hashimoto, Suwa-shi, JAPAN;

Assignment For Published Patent Application

SEIKO EPSON CORPORATION, Tokyo, JAPAN;

Domestic Priority data as claimed by applicant

This application is a CON of 10/254,600 09/26/2002 PAT 6,730,589
which is a DIV of 09/117,510 04/22/1999 PAT 6,475,896

Foreign Applications

JAPAN 8-356880 12/26/1996
JAPAN 9-91449 03/26/1997
JAPAN 8-339045 12/04/1996
JAPAN PCT/JP97/04437 12/04/1997

If Required, Foreign Filing License Granted: 06/04/2004

Projected Publication Date: 09/16/2004

Non-Publication Request: No

Early Publication Request: No

Title

Electronic component and semiconductor device, method of making the same and method of mounting the same, circuit board, and electronic instrument

Preliminary Class

438

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).